

Owner's Guide
for the
CRATE MXB25
Bass Amplifier



MXB25 Bass Amplifier

Congratulations!

You are now the proud owner of the compact but powerful Crate MXB25 Bass Amplifier. The small size of this amplifier belies its big performance: the 10" Crate Custom speaker makes the most of the amplifier's 27 watts of musical output power. A 4-band rotary EQ combined with Crate's variable Contour control gives you complete control over a wide variety of sounds. In addition, the front panel headphone and external speaker jacks make this amplifier equally suited for practicing as well as performing in intimate surroundings.









Like all Crate products, your MXB25 is designed by musicians and built using only the best components. Extensive testing confirms that this amplifier is the absolute best it can be.

In order to get the most out of your new amplifier, we strongly urge you to read the information contained in this manual before you begin playing.

And **thank you** for choosing 

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 CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN 	 PRECAUCION RIESGO DE CORRIENTAZO NO ABRA 	 ATTENTION RISQUE D'ELECTROCUTION NE PAS OUVRIE 
<small>WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</small>	<small>PRECAUCION: PARA REDUCIR EL RIESGO DE INCENDIOS O DESCARGAS ELECTRICAS, NO PERMITA QUE ESTE APARATO QUEDA EXPOSTO A LA LLUVIA O LA HUMEDAD. PARA DISMINUIR EL RIESGO DE CORRIENTAZO, NO ABRA LA CUBIERTA. NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDE REPARAR DE JE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS.</small>	<small>ATTENTION: PROTEGEZ CET APPAREIL DE LA PULVIER ET DE L'HUMIDITE AFIN D'EVITER TOUT RISQUE D'INCENDIE OU D'ELECTROCUTION. POUR REDUIRE D'ELECTROCUTION NE PAS ENLEVER LE COUVERCLE. AUCUNE PIECE INTERNE N'EST REPARABLE PAR L'UTILISATEUR. POUR TOUTE REPARATION, S'ADRESSEZ A UN TECHNICIEN QUALIFIE.</small>
IMPORTANT SAFETY INSTRUCTIONS		
<ul style="list-style-type: none"> • READ, FOLLOW, HEED, AND KEEP ALL INSTRUCTIONS AND WARNINGS. • DO NOT OPERATE NEAR ANY HEAT SOURCE AND DO NOT BLOCK ANY VENTILATION OPENINGS ON THIS APPARATUS. • DO NOT USE THIS APPARATUS NEAR SPLASHING, FALLING, SPRAYING, OR STANDING LIQUIDS. • CLEAN ONLY WITH LINT-FREE DAMP CLOTH AND DO NOT USE CLEANING AGENTS. • ONLY CONNECT POWER CORD TO A POLARIZED, SAFETY GROUNDED OUTLET WIRED TO CURRENT ELECTRICAL CODES AND COMPATIBLE WITH VOLTAGE, POWER, AND FREQUENCY REQUIREMENTS STATED ON THE REAR PANEL OF THE APPARATUS. • PROTECT THE POWER CORD FROM DAMAGE DUE TO BEING WALKED ON, PINCHED, OR STRAINED. • UNPLUG THE APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME. • ONLY USE ATTACHMENTS, ACCESSORIES, STANDS, OR BRACKETS SPECIFIED BY THE MANUFACTURER FOR SAFE OPERATION AND TO AVOID INJURY. • THIS APPARATUS DOES NOT OPERATE NORMALLY AND REQUIRES SERVICE WITH ANY PHYSICAL DAMAGE FROM IMPACT OR ANY EXPOSURE TO MOISTURE. • SERVICE MUST BE PERFORMED BY QUALIFIED PERSONNEL. • OUR AMPLIFIERS ARE CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS. CONTINUED EXPOSURE TO HIGH SOUND PRESSURE LEVELS CAN CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED AND EAR PROTECTION IS RECOMMENDED IF UNIT IS OPERATED AT HIGH VOLUME. 		
<small>EXPLANATION OF GRAPHICAL SYMBOLS: EXPLICACION DE SIMBOLOS GRAFICOS: EXPLICATION DES SYMBOLES GRAPHIQUES:</small>	 = "DANGEROUS VOLTAGE" "VOLTAJE PELIGROSO"  = "DANGER HAUTE TENSION"	<small>"IT IS NECESSARY FOR THE USER TO REFER TO THE INSTRUCTION MANUAL" "ES NECESARIO QUE EL USUARIO SE REFIERA AL MANUAL DE INSTRUCCIONES." "REFERREZ-VOUS AU MANUAL D'UTILISATION"</small>

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Important Safeguards and Precautions:

All Crate products are designed for continuous safe operation. Abiding by the following rules can help prevent damage to your amplifier, yourself and others.

- The amplifier is equipped with a three-pronged AC power cord. To reduce the risk of electrical shock, **NEVER** remove or otherwise attempt to defeat the ground pin of the power cord.
- Connect the amplifier **ONLY** to a properly grounded AC outlet of the proper voltage for your amp.
- Avoid sudden temperature extremes, rain and moisture. Also, avoid sudden and intense impact. (If the unit has been subjected to any of the preceding abuses, have it looked at by an authorized service center.)
- Do not expose the unit to splashing or dripping liquid. Do not place liquid filled objects on the unit.
- **NEVER** set the amplifier on a support that will not bear its weight.
- Always keep the total speaker impedance at or above the rated load.
- Unplug the amplifier before cleaning it. **NEVER** spray liquid cleaners onto the amplifier. Wipe it with a slightly dampened, lint-free cloth to remove dirt and film.
- **DO NOT** use the amplifier if it has sustained damage to the chassis, controls, or power cord. Refer the unit to an authorized service center for inspection.
- Prolonged exposure to high volume levels may cause permanent hearing loss or damage. Such damage is progressive and irreversible!

Declaration Of Conformity

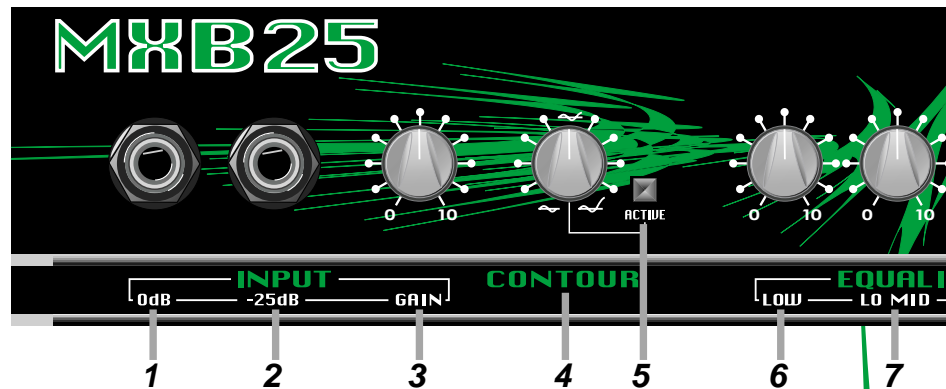
#28, Effective 01-01-2001

Manufacturer's Name:	SLM Electronics
Production Facility:	11880 Borman Drive, St. Louis, MO 63146, USA
Production Facility:	700 Hwy 202 W, Yellville, AR 72687, USA
Shipping Facility:	1400 Ferguson Ave., St. Louis, MO 63133, USA
Office Facility:	1400 Ferguson Ave., St. Louis, MO 63133, USA
Product Type:	Audio Amplifier
Complies with Standards:	
LVD:	92/31/EEC, 93/68/EEC, & 73/23/EWG
Safety:	EN60065
EMC:	EN55013, EN55020, EN55022, EN61000-3-2, & EN61000-3-3

Supplementary information provided by:
SLM Electronics - R & D Engineering
1901 Congressional Drive, St Louis, MO 63146, USA
Tel.: 314-569-0141, Fax: 314-569-0175

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The Front Panel:



1: 0dB INPUT: Use this 1/4" jack to connect your instrument to the amplifier by means of a shielded instrument cable. If your instrument has active electronics or high output pickups, or if the amplifier distorts at low settings of the Gain control (#3), use the -15dB Input jack (#2).

2: -15dB INPUT: If your instrument has active electronics or high output pickups, use this 1/4" jack to connect your instrument to the amplifier by means of a shielded instrument cable. The input signal is attenuated 15dB to prevent overdriving the amplifier's input stages.

3: GAIN: Use this control to adjust the level of the input signal.

4: CONTOUR: Use this control to adjust the tone of the input signal. The Contour control selects the frequency where the effect is centered, giving you a wide variety of tone variations – from a studio “V”-shaped tone to a more up-front, “live” sound. This control is only active when the Contour Active switch (#5) is depressed.

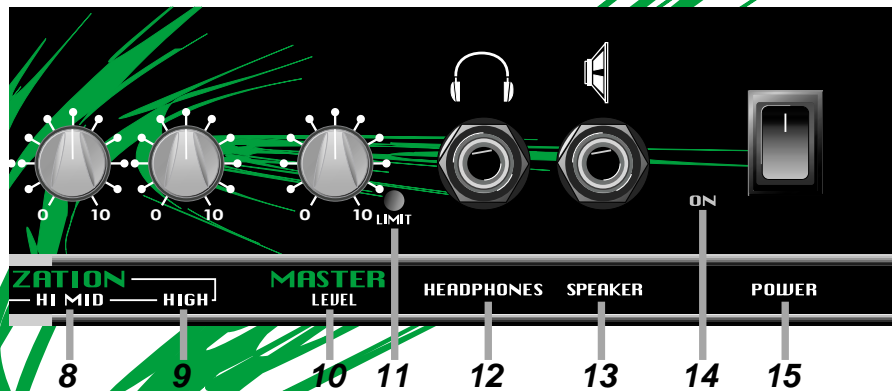
5: CONTOUR ACTIVE: This switch, when depressed, activates the Contour control (#4).

6: LOW: Use this control to adjust the bass response of the amplifier. Rotating the control counterclockwise reduces the low frequency output. Rotating the control clockwise increases the low frequency output. The Low control provides a range of 28dB of boost or cut at 60Hz.

7: LO MID: Use this control to adjust the “thickness” or “fatness” of the amplifier. Rotating the control counterclockwise reduces the lower middle frequency output. Rotating the control clockwise increases the lower middle frequency output. The Low Mid control provides a range of 15dB of boost or cut at 400Hz.

8: HI MID: Use this control to adjust the clarity and definition of the string attack. Rotating the control counterclockwise reduces the upper middle frequency output. Rotating the control clockwise increases the upper middle frequency output. The High Mid control provides a range of 18dB of boost or cut at 1kHz.

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9: HIGH: Use this control to adjust the high frequency response of the amplifier. Rotating the control counterclockwise reduces the high frequency output. Rotating the control clockwise increases the high frequency output. The High control provides a range of 33dB of boost or cut at 10kHz.

10: MASTER LEVEL: Use this control to adjust the overall output of the amplifier.

11: LIMIT: This LED illuminates when the amplifier is near clipping. Flashing at peak playing levels is acceptable. However, if the indicator remains illuminated, reduce the Master Level control (#10) until the indicator flashes.

12: HEADPHONES: Use this jack to connect headphones to the amplifier. The internal speaker is disconnected when headphones are used.

CAUTION: To avoid possible damage to your hearing, do not use headphones for extended periods of time at extremely loud levels.

13: SPEAKER: Use this jack to connect the amplifier to an external speaker. The internal speaker is disconnected when this jack is used. The impedance the external speaker must be 4 ohms or greater!

WARNING: Do not attempt to use headphones in the Speaker jack!
Permanent hearing damage could result!

14: ON LED: This LED illuminates when the amplifier is turned on.

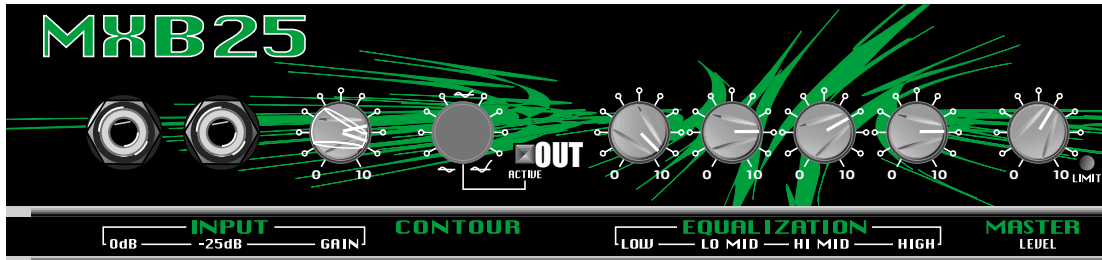
15: POWER: Use this switch to turn the amplifier on (top of the switch depressed) and off (bottom of the switch depressed).

16: POWER CORD (rear panel, not shown): The grounded power cord should only be plugged into a grounded power outlet that meets all applicable electrical codes and is compatible with the voltage, power, and frequency requirements stated on the rear panel. **Do not attempt to defeat the safety ground connection.**

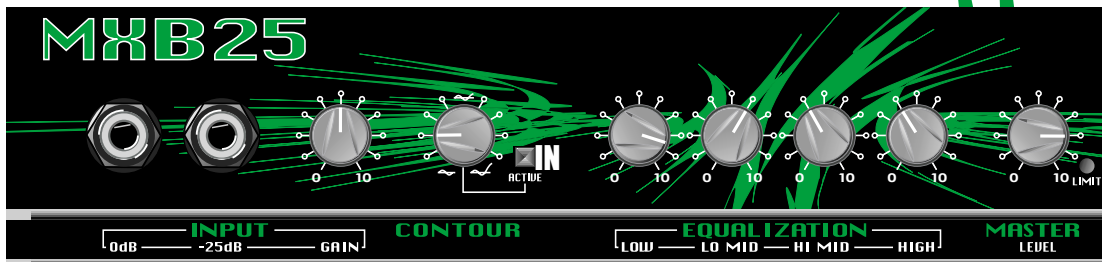
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Suggested Settings:

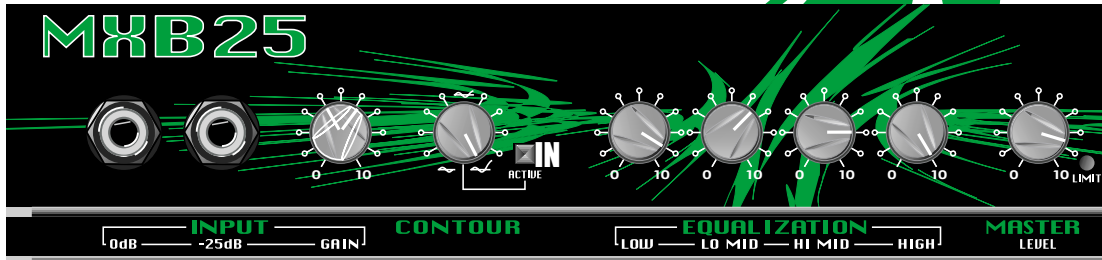
Clean:



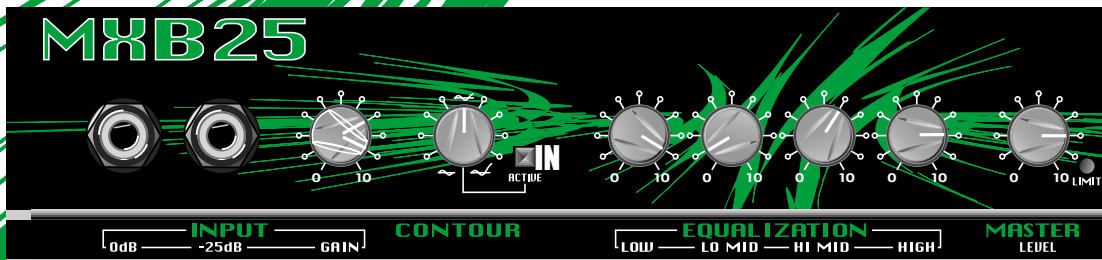
Blues:



Rhythm:

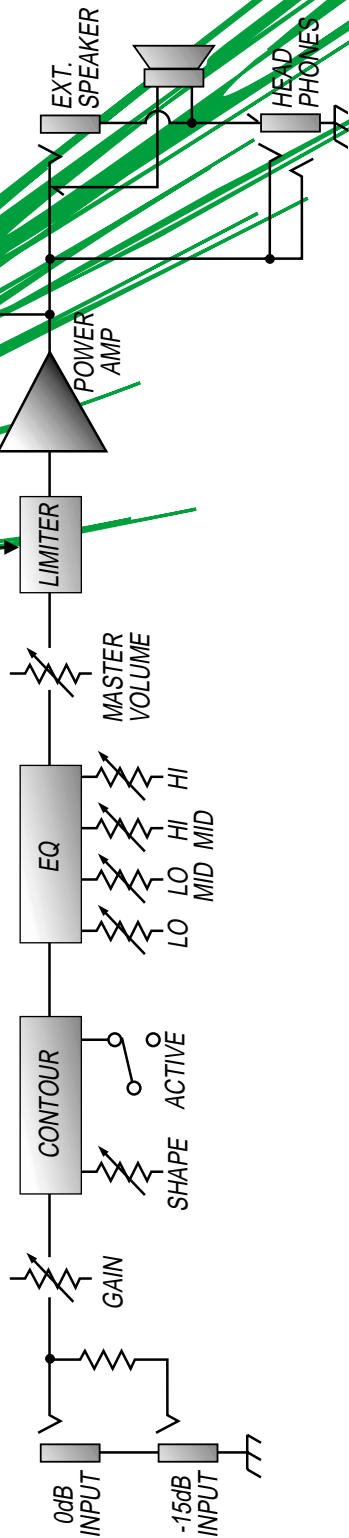


Lead:



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System Block Diagram:



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MXB25 TECHNICAL SPECIFICATIONS:

Output Power Rating	27 watts RMS @ 5% THD 4 ohms, 120 VAC
Maximum Input Signal Accepted	15 volts peak-to-peak
Input Impedance	220k ohms
Signal to Noise Ratio	75dB
Low Control	28dB Range @ 60Hz
Low Mid Control	15dB Range @ 400Hz
High Mid Control	18dB Range @ 1kHz
High Control	33dB Range @ 10kHz
Power Requirements	120 VAC, 60Hz, 45VA 100/115VAC, 50/60Hz, 45VA 230VAC, 50Hz, 45VA
Speaker Size and Rating	Crate Custom Design 10", 30 watts
Size and Weight	16" H x 15" W x 12" D, 39 lbs.

The MBX25 is covered with a durable black Tolex material: wipe it clean with a lint-free cloth. Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which would damage the finish.

Crate continually develops new products, as well as improves existing ones. For this reason, the specifications and information in this manual are subject to change without notice.



CRATE

www.crateamps.com

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